

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"6031000".pn.	US-PGPUB; USPAT; EPO	OR	ON	2006/05/11 13:34
S2	1	"6291525".pn.	US-PGPUB; USPAT; EPO	OR	ON	2006/05/11 13:51
S3	391667	HMB wiht calcium	US-PGPUB; USPAT; EPO	OR	ON	2006/05/11 13:52
S4	33	HMB with calcium	US-PGPUB; USPAT; EPO	OR	ON	2006/05/11 13:52

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptamxgl614

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS	4	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS	5	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	6	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	7	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS	8	JAN 30	Saved answer limit increased
NEWS	9	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	10	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	11	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	12	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	13	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	14	FEB 28	TOXCENTER reloaded with enhancements
NEWS	15	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	16	MAR 01	INSPEC reloaded and enhanced
NEWS	17	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	18	MAR 08	X.25 communication option no longer available after June 2006
NEWS	19	MAR 22	EMBASE is now updated on a daily basis
NEWS	20	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	21	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	22	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	23	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	24	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	25	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS	26	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	27	MAY 11	KOREAPAT updates resume
NEWS	EXPRESS		FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT <a href="http://download.cas.org/express/v8.0-Discover/">http://download.cas.org/express/v8.0-Discover/</a>
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
NEWS	LOGIN		Welcome Banner and News Items
NEWS	IPC8		For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \*

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In an effort to enhance your experience with STN, we would like to better understand what you find useful. Please take approximately 5 minutes to complete a web survey.

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Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:44:31 ON 11 MAY 2006

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 10:44:47 ON 11 MAY 2006

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FILE COVERS 1907 - 11 May 2006 VOL 144 ISS 20

FILE LAST UPDATED: 9 May 2006 (20060509/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s us 2004-0106678/pn

L1

1 US 2004-0106678/PN

(US2004106678/PN)

=> sel rn

E1 THROUGH E6 ASSIGNED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.49

2.70

FILE 'REGISTRY' ENTERED AT 10:45:03 ON 11 MAY 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

DICTIONARY FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now     *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s el-e6

1 625-08-1/BI

(625-08-1/RN)

1 1305-62-0/BI

(1305-62-0/RN)

1 1309-48-4/BI

(1309-48-4/RN)

1 14127-61-8/BI

(14127-61-8/RN)

1 176389-82-5/BI

(176389-82-5/RN)

1 22537-22-0/BI

(22537-22-0/RN)

L2 6 (625-08-1/BI OR 1305-62-0/BI OR 1309-48-4/BI OR 14127-61-8/BI  
OR 176389-82-5/BI OR 22537-22-0/BI)

=> d 1-6

L2 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

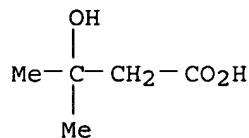
RN 176389-82-5 REGISTRY

ED Entered STN: 17 May 1996

CN Butanoic acid, 3-hydroxy-3-methyl-, calcium salt (1:1) (9CI) (CA INDEX NAME)

MF C5 H10 O3 . Ca

SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
CRN (625-08-1)



● Ca

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 22537-22-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Magnesium, ion (Mg2+) (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Magnesium (Mg2+)  
CN Magnesium cation  
CN Magnesium cation(2+)  
CN Magnesium dication  
CN Magnesium ion  
CN Magnesium ion(2+)  
CN Magnesium(2+)  
CN Magnesium(II)  
CN Magnesium(II) ion  
CN Mg2+  
MF Mg  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,  
CHEMCATS, CHEMINFORMRX, CIN, DDFU, DETHERM\*, DRUGU, EMBASE, IFICDB,  
IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)

Mg2+

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6336 REFERENCES IN FILE CA (1907 TO DATE)  
162 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6354 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 14127-61-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Calcium, ion (Ca2+) (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Ca2+  
CN Calcium (II) ion  
CN Calcium cation  
CN Calcium dication  
CN Calcium ion  
CN Calcium ion(2+)  
CN Calcium(2+)  
CN Calcium(2+) ion

MF Ca  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,  
CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CIN, CSNB, DDFU, DETHERM\*,  
DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, ULIDAT,  
USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)

Ca<sup>2+</sup>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10522 REFERENCES IN FILE CA (1907 TO DATE)  
181 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
10548 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

RN 1309-48-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Magnesium oxide (MgO) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1000A  
CN 100A  
CN 100A (oxide)  
CN 2000A  
CN 500A  
CN 995S  
CN AD 100P  
CN Akro-Mag Bars Green  
CN Akro-Mag Green  
CN AM 2  
CN AM 2 (cement additive)  
CN Animag  
CN Anscor P  
CN BayMag  
CN Calcined magnesia  
CN Causmag  
CN Caustic magnesite  
CN DAB 6  
CN DAB 6 (oxide)  
CN E 10  
CN E 10 (oxide)  
CN E 4  
CN E 4 (oxide)  
CN Ekorokku 1000I  
CN Elastomag 100  
CN Elastomag 170  
CN Fert-O-Mag  
CN FloMag HP  
CN FloMag HP-ER  
CN FMR-PC  
CN H 10  
CN H 10 (oxide)  
CN Hamag LP  
CN HP 10  
CN HP 10 (oxide)  
CN HP 10N  
CN HP 30  
CN HP 30 (oxide)  
CN HTMg 02  
CN Insulmag 4  
CN KM 3

CN KM 3 (oxide)  
CN KM 40  
CN KMAO-H  
CN KMAOH-F  
CN KMB 100-200  
CN KP 3083  
CN KP-JM  
CN KPLL 20  
CN KPLL 60

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 13589-16-7, 82375-77-7, 52933-73-0, 185461-91-0, 187036-80-2, 227961-49-1  
MF Mg O  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,  
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN,  
CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,  
ENCOMPAT, ENCOMPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB,  
IMSCOSEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*,  
TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)

Mg=O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

96082 REFERENCES IN FILE CA (1907 TO DATE)  
1051 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
96296 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 1305-62-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Calcium hydroxide (Ca(OH)2) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Calcium hydroxide (8CI)  
OTHER NAMES:  
CN A-Rock  
CN Biocalc  
CN Cal-Z  
CN Calbit  
CN Calbreed  
CN Calcicure  
CN Calcium dihydroxide  
CN Caldic 1000  
CN Caldic 2000  
CN Calvit  
CN Carboxide  
CN CH 2N  
CN CLS-B  
CN Ecolomaster  
CN Hydralime  
CN Hydrated lime  
CN Kalkhydrate  
CN Karutekku LT  
CN Kentoku K 100  
CN Limbux  
CN Lime hydrate  
CN Lime milk  
CN Lime water

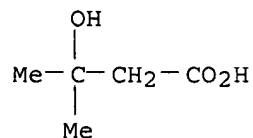
CN LoFloSorb  
 CN Microstar T  
 CN Milk of lime  
 CN NICC 3000  
 CN Precal 54  
 CN Rhenofit CF  
 CN SA 074  
 CN Slaked lime  
 CN Super Microstar  
 CN Superia  
 CN TempCanal  
 CN TP 2B  
 CN Yukijirushi Shosekkai  
 CN Yukijirushisakanyo  
 DR 7719-01-9, 1333-29-5  
 MF Ca H2 O2  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PDLCOM\*, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

HO—Ca—OH

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

28111 REFERENCES IN FILE CA (1907 TO DATE)  
 320 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 28186 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 625-08-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Butanoic acid, 3-hydroxy-3-methyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Butyric acid, 3-hydroxy-3-methyl- (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN β-Hydroxy-β-methylbutyric acid  
 CN β-Hydroxyisovaleric acid  
 CN 3-Hydroxy-3-methylbutanoic acid  
 CN 3-Hydroxy-3-methylbutyric acid  
 CN 3-Hydroxyisovaleric acid  
 FS 3D CONCORD  
 MF C5 H10 O3  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, EMBASE, IPA, MEDLINE, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

326 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
326 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

12.28

14.98

FILE 'CAPLUS' ENTERED AT 10:46:18 ON 11 MAY 2006

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FILE COVERS 1907 - 11 May 2006 VOL 144 ISS 20

FILE LAST UPDATED: 9 May 2006 (20060509/ED)

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=> s 176389-82-5

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 4 L3

=> s 176389-82-5/rn

4 176389-82-5

0 176389-82-5D

L5 4 176389-82-5/RN

(176389-82-5 (NOTL) 176389-82-5D )

=> d 1-4 bib abs

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1050884 CAPLUS

DN 143:299157

TI Hydroxy-beta-methylbutyric acid for inflammatory diseases, cancer, and involuntary weight loss

IN Baxter, Jeffrey H.; Mukerji, Pradip; Voss, Anne C.; Tisdale, Michael J.  
 PA USA  
 SO U.S. Pat. Appl. Publ., 34 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005215640	A1	20050929	US 2004-810762	20040326
	WO 2005102301	A2	20051103	WO 2005-US7951	20050314
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,				
	SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				
	AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				
	EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,				
	RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				
	MR, NE, SN, TD, TG				

PRAI US 2004-810762 A 20040326

AB The invention relates to methods for the prevention and treatment of chronic inflammatory diseases, cancer, and involuntary weight loss. In the practice of the present invention patients are enterally administered HMB alone or alternatively in combination with eicosapentaenoic (20:5  $\omega$ -3), FOS, carnitine and mixts. thereof. HMB may be added to nutritional supplements and food products comprising a source of amino-nitrogen enriched with large neutral amino acids such as leucine, isoleucine, valine, tyrosine, threonine and phenylalanine and substantially lacking in free amino acids.

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:936114 CAPLUS

DN 141:400914

TI Composition and method for enhancing the bioavailability of calcium and magnesium in dietary supplements and food additives

IN Wiley, David B.; Dobbins, Thomas A.

PA USA

SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 658,075.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004220266	A1	20041104	US 2004-797946	20040311
	US 2004048925	A1	20040311	US 2003-658075	20030909
PRAI	US 2002-409151P	P	20020909		
	US 2003-658075	A2	20030909		

AB Dietary mineral supplements comprising the calcium and/or magnesium salts of 3-hydroxy-3-methylbutyric acid are disclosed as efficient means of orally administering calcium and/or magnesium in order to prevent or treat calcium and magnesium deficiency pathologies. The conjoint bioavailability of these important minerals is thereby enhanced. Thus, 74.1 g of calcium hydroxide and 20.15 g of magnesium oxide were added to 500 mL of water with vigorous agitation, forming a slurry. Then, 336 g of 3-methyl-3-hydroxy-3-methylbutyric acid was introduced slowly and the mixture was heated to 70° degrees C. and stirred for 90 min, then allowed to cool to room temperature Insol. particles of excess lime and magnesia were removed by filtration and the filtrate, was evaporated to dryness, producing an intimate mixture of crystalline calcium 3-hydroxy-3-methylbutyrate monohydrate and magnesium 3-hydroxy-3-methylbutyrate in virtually quant. yield. Varying amts. of calcium

hydroxymethylbutyrate was administered orally in the form of capsules to volunteers. Nine of ten subjects exhibited significantly elevated levels of serum calcium two hours after ingesting 1,000 mg of calcium hydroxymethylbutyrate, thereby demonstrating absorption and metabolic availability of calcium.

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:451640 CAPLUS  
 DN 141:12301  
 TI Compositions for the parenteral administration of calcium and magnesium  
 IN Dobbins, Thomas A.; Wiley, David B.; Davis, Michael  
 PA USA  
 SO U.S. Pat. Appl. Publ., 7 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004106678	A1	20040603	US 2003-667283	20030917
	WO 2005096846	A1	20051020	WO 2004-US7452	20040311
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				
	ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,				
	SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,				
	TD, TG				

PRAI US 2002-411229P P 20020917

AB Aqueous solns. of the calcium and/or magnesium salts of 3-hydroxy-3-methylbutyric acid are useful for parenteral administration of the calcium and/or magnesium in the treatment and prevention of disorders caused by or accompanied by hypocalcemia or hypomagnesia. The salts were prepared from Ca(OH)<sub>2</sub> and MgO, resp. and 3-methyl-3-hydroxybutyric acid.

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:224288 CAPLUS  
 DN 124:306947

TI Calcium  $\beta$ -hydroxy- $\beta$ -methylbutyrate. 1. Potential role as phosphate binder in uremia: in vitro study  
 AU Sousa, Mauri F.; Abumrad, Naji N.; Martins, Cristina; Nissen, Steven; Riella, Miguel C.  
 CS Department Medicine, Evangelic School Medicine, Curitiba, Brazil  
 SO Nephron (1996), 72(3), 391-4  
 CODEN: NPRNAY; ISSN: 0028-2766  
 PB Karger  
 DT Journal  
 LA English  
 AB The binding capacity of calcium  $\beta$ -hydroxy- $\beta$ -methylbutyrate (calcium HMB), compared to other binders, was investigated in an in vitro study. Fifty milliequivalents of either calcium HMB, calcium acetate, calcium carbonate, aluminum hydroxide gel or non-gel aluminum hydroxide was added to a phosphate solution, titrated (HCl or NaOH), shaken and centrifuged to four different pH levels at 37°C (simulating the gastrointestinal milieu). The difference in phosphate concentration between that of the initial and that of the supernatant represented from the bound phosphate in the precipitate After 4 h at a pH of 6 (representing the intestinal condition after a meal), the binding percentage was: calcium acetate = 95.6%, calcium HMB = 92.6%, calcium carbonate = 46.4%, aluminum hydroxide

gel = 33.4% and non-gel aluminum hydroxide = 17.8%. There was no significant difference ( $p > 0.05$ ) between calcium HMB and calcium acetate. These results suggest that calcium HMB is an efficient phosphate binder in vitro, which may predict its effective role in vivo.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	17.27	33.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.00	-3.00

STN INTERNATIONAL LOGOFF AT 10:47:10 ON 11 MAY 2006